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(FILE 'HOME' ENTERED AT 14:23:22 ON 11 FEB 2005)

FILE 'MEDLINE' ENTERED AT 14:23:28 ON 11 FEB 2005

L1	37	S	HPV-45
L2	6	S	HPV45
L3	912	S	HPV-18
L4	27	S	L1 AND L3
L5	118836	S	FUSION
L6	1	S	L5 AND L4
L7	22954	S	CHIMERIC
L8	3	S	L7 AND L3
L9	0	S	L7 AND L1
L10	6	S	"L1" AND L4

=> d l4 1-27 ti

L4 ANSWER 1 OF 27 MEDLINE on STN
TI Human papillomavirus capsid antibody response to natural infection and risk of subsequent HPV infection in HIV-positive and HIV-negative women.

L4 ANSWER 2 OF 27 MEDLINE on STN
TI Human papillomavirus genotyping by a polymerase chain reaction-based genechip method in cervical carcinoma treated with neoadjuvant chemotherapy plus radical surgery.

L4 ANSWER 3 OF 27 MEDLINE on STN
TI Human papillomaviruses and cancer in Uganda.

L4 ANSWER 4 OF 27 MEDLINE on STN
TI Seroprevalence of human papillomavirus-16, -18, -31, and -45 in a population-based cohort of 10000 women in Costa Rica.

L4 ANSWER 5 OF 27 MEDLINE on STN
TI Multiple-primer DNA sequencing method.

L4 ANSWER 6 OF 27 MEDLINE on STN
TI Distribution and viral load of type specific HPVs in different cervical lesions as detected by PCR-ELISA.

L4 ANSWER 7 OF 27 MEDLINE on STN
TI Immunological analyses of human papillomavirus capsids.

L4 ANSWER 8 OF 27 MEDLINE on STN
TI Human papillomavirus and cancer: the epidemiological evidence.

L4 ANSWER 9 OF 27 MEDLINE on STN
TI Prevalence of human papillomavirus DNA in different histological subtypes of cervical adenocarcinoma.

L4 ANSWER 10 OF 27 MEDLINE on STN
TI Distinct patterns of alteration of myc genes associated with integration of human papillomavirus type 16 or type 45 DNA in two genital tumours.

L4 ANSWER 11 OF 27 MEDLINE on STN
TI Human papillomavirus infection and invasive cervical cancer in Paraguay.

L4 ANSWER 12 OF 27 MEDLINE on STN
TI Loss of retinoblastoma protein expression is frequent in small cell neuroendocrine carcinoma of the cervix and is unrelated to HPV type.

L4 ANSWER 13 OF 27 MEDLINE on STN
TI Detection and typing of human papillomavirus in cervical carcinomas in Russian women: a prognostic study.

L4 ANSWER 14 OF 27 MEDLINE on STN
TI [Molecular variants of human papillomaviruses types 16, 18, and 45 in tumors of the uterine cervix in Mexico].
Las variantes moleculares de papiloma virus humanos tipo 16, 18 y 45 en tumores del cuello uterino, en Mexico.

L4 ANSWER 15 OF 27 MEDLINE on STN
TI Cervical cancer and human papillomavirus: epidemiological evidence and perspectives for prevention.

L4 ANSWER 16 OF 27 MEDLINE on STN

TI Mastication of verruca vulgaris associated with esophageal papilloma: **HPV-45** sequences detected in oral and cutaneous tissues.

L4 ANSWER 17 OF 27 MEDLINE on STN
TI The causal link between HPV and cervical cancer and its implications for prevention of cervical cancer.

L4 ANSWER 18 OF 27 MEDLINE on STN
TI Detection by PCR of human papillomavirus genotypes in cervical lesions of Senegalese women.

L4 ANSWER 19 OF 27 MEDLINE on STN
TI Human papillomavirus type 70 genome cloned from overlapping PCR products: complete nucleotide sequence and genomic organization.

L4 ANSWER 20 OF 27 MEDLINE on STN
TI Assessment of the serological relatedness of genital human papillomaviruses by hemagglutination inhibition.

L4 ANSWER 21 OF 27 MEDLINE on STN
TI Intratype variation in 12 human papillomavirus types: a worldwide perspective.

L4 ANSWER 22 OF 27 MEDLINE on STN
TI Prevalence of human papillomavirus in cervical cancer: a worldwide perspective. International biological study on cervical cancer (IBSCC) Study Group.

L4 ANSWER 23 OF 27 MEDLINE on STN
TI Typing of human papillomaviruses in cervical carcinoma biopsies from Cape Town.

L4 ANSWER 24 OF 27 MEDLINE on STN
TI Nucleotide sequence and phylogenetic classification of human papillomavirus type 59.

L4 ANSWER 25 OF 27 MEDLINE on STN
TI Human papillomavirus detection in cervical carcinoma tissues and paraaortic lymph nodes by the polymerase chain reaction.

L4 ANSWER 26 OF 27 MEDLINE on STN
TI Evolution of human papillomavirus type 18: an ancient phylogenetic root in Africa and intratype diversity reflect coevolution with human ethnic groups.

L4 ANSWER 27 OF 27 MEDLINE on STN
TI Characterization of human papillomavirus type 45, a new type 18-related virus of the genital tract.

WEST Search History

Hide Items | Restore | Clear | Cancel

DATE: Friday, February 11, 2005

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		DB=USPT; PLUR=YES; OP=ADJ	
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☐	L19	fusion and HPV-18.clm.	8
☐	L18	fusion and HPV-18	66
☐	L17	L11 and fusion	21
☐	L16	L11 and hybrid	21
☐	L15	L11 and chimer?	1
☐	L14	L11 and HPV18 and chimer?	1
☐	L13	L11 and HPV18	32
☐	L12	HPV45.clm.	4
☐	L11	HPV45	34
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☐	L9	HPV45	20
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☐	L7	HPV-45	4
		DB=EPAB; PLUR=YES; OP=ADJ	
☐	L6	EP-1123114-A1.did.	0
☐	L5	WO-200023955-A1.did.	0
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☐	L4	Chackerian B.in.	1
☐	L3	L2 and papillomavirus	12
☐	L2	Schiller J T.in.	15
		DB=USPT; PLUR=YES; OP=ADJ	
☐	L1	HPV-45	12

END OF SEARCH HISTORY

All: 158

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1: McLaughlin-Drubin ME, Wilson S, Mullikin B, Suzich J, Meyers C. Related Articles, Links

Human papillomavirus type 45 propagation, infection, and neutralization.
Virology. 2003 Jul 20;312(1):1-7.
PMID: 12890615 [PubMed - indexed for MEDLINE]

2: McLaughlin-Drubin ME, Christensen ND, Meyers C. Related Articles, Links

Propagation, infection, and neutralization of authentic HPV16 virus.
Virology. 2004 May 1;322(2):213-9.
PMID: 15110519 [PubMed - indexed for MEDLINE]

3: Meyers C, Bromberg-White JL, Zhang J, Kaupas ME, Bryan JT, Lowe RS, Jansen KU. Related Articles, Links

Infectious virions produced from a human papillomavirus type 18/16 genomic DNA chimera.
J Virol. 2002 May;76(10):4723-33.
PMID: 11967289 [PubMed - indexed for MEDLINE]

4: Meyers C, Mayer TJ, Ozbun MA. Related Articles, Links

Synthesis of infectious human papillomavirus type 18 in differentiating epithelium transfected with viral DNA.
J Virol. 1997 Oct;71(10):7381-6.
PMID: 9311816 [PubMed - indexed for MEDLINE]

5: Ozbun MA. Related Articles, Links

Infectious human papillomavirus type 31b: purification and infection of an immortalized human keratinocyte cell line.
J Gen Virol. 2002 Nov;83(Pt 11):2753-63.
PMID: 12388811 [PubMed - indexed for MEDLINE]

6: Flores ER, Allen-Hoffmann BL, Lee D, Sattler CA, Lambert PF. Related Articles, Links

Establishment of the human papillomavirus type 16 (HPV-16) life cycle in an immortalized human foreskin keratinocyte cell line.
Virology. 1999 Sep 30;262(2):344-54.
PMID: 10502513 [PubMed - indexed for MEDLINE]

7: Frattini MG, Lim HB, Doorbar J, Laimins LA. Related Articles, Links

Induction of human papillomavirus type 18 late gene expression and genomic amplification in organotypic cultures from transfected DNA templates.

J Virol. 1997 Sep;71(9):7068-72.
PMID: 9261437 [PubMed - indexed for MEDLINE]

☐ 8: Unckell F, Streeck RE, Sapp M. Related Articles, Links

Generation and neutralization of pseudovirions of human papillomavirus type 33.
J Virol. 1997 Apr;71(4):2934-9.
PMID: 9060652 [PubMed - indexed for MEDLINE]

☐ 9: Frattini MG, Lim HB, Laimins LA. Related Articles, Links

In vitro synthesis of oncogenic human papillomaviruses requires episomal genomes for differentiation-dependent late expression.
Proc Natl Acad Sci U S A. 1996 Apr 2;93(7):3062-7.
PMID: 8610168 [PubMed - indexed for MEDLINE]

☐ 10: Ozbun MA. Related Articles, Links

Human papillomavirus type 31b infection of human keratinocytes and the onset of early transcription.
J Virol. 2002 Nov;76(22):11291-300.
PMID: 12388689 [PubMed - indexed for MEDLINE]

☐ 11: Thomas JT, Oh ST, Terhune SS, Laimins LA. Related Articles, Links

Cellular changes induced by low-risk human papillomavirus type 11 in keratinocytes that stably maintain viral episomes.
J Virol. 2001 Aug;75(16):7564-71.
PMID: 11462028 [PubMed - indexed for MEDLINE]

☐ 12: Genther SM, Sterling S, Duensing S, Munger K, Sattler C, Lambert PF. Related Articles, Links

Quantitative role of the human papillomavirus type 16 E5 gene during the productive stage of the viral life cycle.
J Virol. 2003 Mar;77(5):2832-42.
PMID: 12584306 [PubMed - indexed for MEDLINE]

☐ 13: Flores ER, Allen-Hoffmann BL, Lee D, Lambert PF. Related Articles, Links

The human papillomavirus type 16 E7 oncogene is required for the productive stage of the viral life cycle.
J Virol. 2000 Jul;74(14):6622-31.
PMID: 10864676 [PubMed - indexed for MEDLINE]

☐ 14: Ruesch MN, Stubenrauch F, Laimins LA. Related Articles, Links

Activation of papillomavirus late gene transcription and genome amplification upon differentiation in semisolid medium is coincident with expression of involucrin and transglutaminase but not keratin-10.
J Virol. 1998 Jun;72(6):5016-24.
PMID: 9573271 [PubMed - indexed for MEDLINE]

☐ 15: Fehrmann F, Klumpp DJ, Laimins LA. Related Articles, Links

Human papillomavirus type 31 E5 protein supports cell cycle progression and activates late viral functions upon epithelial differentiation.
J Virol. 2003 Mar;77(5):2819-31.
PMID: 12584305 [PubMed - indexed for MEDLINE]

☐ 16: Klumpp DJ, Stubenrauch F, Laimins LA. Related Articles, Links

Differential effects of the splice acceptor at nucleotide 3295 of human papillomavirus type 31 on stable and transient viral replication.
J Virol. 1997 Nov;71(11):8186-94.
PMID: 9343169 [PubMed - indexed for MEDLINE]

☐ 17: Ozbun MA, Meyers C. Related Articles, Links

Temporal usage of multiple promoters during the life cycle of human papillomavirus type 31b.
J Virol. 1998 Apr;72(4):2715-22.
PMID: 9525589 [PubMed - indexed for MEDLINE]

☐ 18: Southern SA, Noya F, Meyers C, Broker TR, Chow LT, Herrington CS. Related Articles, Links

Tetrasomy is induced by human papillomavirus type 18 E7 gene expression in keratinocyte raft cultures.
Cancer Res. 2001 Jun 15;61(12):4858-63.
PMID: 11406563 [PubMed - indexed for MEDLINE]

☐ 19: Lee JH, Yi SM, Anderson ME, Berger KL, Welsh MJ, Klingelhutz AJ, Ozbun MA. Related Articles, Links

Propagation of infectious human papillomavirus type 16 by using an adenovirus and Cre/LoxP mechanism.
Proc Natl Acad Sci U S A. 2004 Feb 17;101(7):2094-9. Epub 2004 Feb 09.
PMID: 14769917 [PubMed - indexed for MEDLINE]

☐ 20: Agrawal N, Mane M, Chiriva-Internati M, Roman JJ, Hermonat PL. Related Articles, Links

Temporal acceleration of the human papillomavirus life cycle by adeno-associated virus (AAV) type 2 superinfection in natural host tissue.
Virology. 2002 Jun 5;297(2):203-10.
PMID: 12083819 [PubMed - indexed for MEDLINE]

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Feb 10 2005 12:03:04

WEST Search History

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☐	L14	L11 and HPV18 and chimer?	1
☐	L13	L11 and HPV18	32
☐	L12	HPV45.clm.	4
☐	L11	HPV45	34
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☐	L9	HPV45	20
	DB=DWPI; PLUR=YES; OP=ADJ		
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☐	L7	HPV-45	4
	DB=EPAB; PLUR=YES; OP=ADJ		
☐	L6	EP-1123114-A1.did.	0
☐	L5	WO-200023955-A1.did.	0
	DB=DWPI; PLUR=YES; OP=ADJ		
☐	L4	Chackerian B.in.	1
☐	L3	L2 and papillomavirus	12
☐	L2	Schiller J T.in.	15
	DB=USPT; PLUR=YES; OP=ADJ		
☐	L1	HPV-45	12

END OF SEARCH HISTORY

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Search Results - Record(s) 1 through 4 of 4 returned.

☐ 1. Document ID: US 20040152181 A1

L7: Entry 1 of 4 File: DWPI Aug 5, 2004

DERWENT-ACC-NO: 2004-570727
DERWENT-WEEK: 200455
COPYRIGHT 2005 DERWENT INFORMATION LTD
TITLE: Production of purified papillomavirus virus-like particles, e.g. human papillomavirus virus-like particles, by sequentially purifying and reassembling disassembled papillomavirus virus-like particles

INVENTOR: MCCARTHY, M P; SUZICH, J A

PRIORITY-DATA: 2004US-0762928 (January 22, 2004), 1997US-0923997 (September 5, 1997), 1999US-0379615 (August 24, 1999), 1999US-0457594 (December 9, 1999), 2002US-0138739 (May 6, 2002)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
US 20040152181 A1	August 5, 2004		030	C12N007/02

INT-CL (IPC): C12 N 7/02

Full | Title | Citation | Front | Review | Classification | Date | Reference | Claims | KWIC | Draw D

☐ 2. Document ID: US 20040224305 A1, WO 200197840 A1, AU 200175458 A, EP 1292328 A1, AU 2001275458 B2

L7: Entry 2 of 4 File: DWPI Nov 11, 2004

DERWENT-ACC-NO: 2002-122247
DERWENT-WEEK: 200475
COPYRIGHT 2005 DERWENT INFORMATION LTD
TITLE: New chimeric human papillomavirus (HPV) L1 proteins, useful for eliciting antibody responses or cellular responses against papillomavirus, and as therapeutic, prophylactic or diagnostic reagents for papillomavirus infection

INVENTOR: MULLIKIN, B; SUZICH, J A ; WHITE, W ; WILSON, S ; SUZICH, J ; WILSON, S D

PRIORITY-DATA: 2000US-212839P (June 21, 2000), 2001US-0876256 (June 8, 2001)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC

US 20040224305 A1	November 11, 2004		000	C12Q001/70
WO 200197840 A1	December 27, 2001	E	049	A61K039/12
AU 200175458 A	January 2, 2002		000	A61K039/12
EP 1292328 A1	March 19, 2003	E	000	A61K039/12
AU 2001275458 B2	August 19, 2004		000	A61K039/12

INT-CL (IPC): A61 K 39/00; A61 K 39/12; C07 H 21/04; C07 K 14/005; C12 N 7/00; C12 P 21/06; C12 Q 1/70

Full | Title | Citation | Front | Review | Classification | Date | Reference | Claims | KWIC | Draw. De

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☐ 3. Document ID: US 20030125297 A1, WO 9963947 A2, AU 9945705 A, EP 1085864 A1

L7: Entry 3 of 4 File: DWPI Jul 3, 2003

DERWENT-ACC-NO: 2000-181983
DERWENT-WEEK: 200345
COPYRIGHT 2005 DERWENT INFORMATION LTD
TITLE: Preventing human immunodeficiency virus (HIV) and/or human papillomavirus (HPV) infections comprises topically applying a composition comprising metallo-organic cobalt compounds

INVENTOR: STEWART, C C

PRIORITY-DATA: 1998US-089250P (June 11, 1998), 1999US-0330629 (June 11, 1999)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
US 20030125297 A1	July 3, 2003		000	A61K031/555
WO 9963947 A2	December 16, 1999	E	041	A61K000/00
AU 9945705 A	December 30, 1999		000	A61K000/00
EP 1085864 A1	March 28, 2001	E	000	A61K031/33

INT-CL (IPC): A61 K 0/00; A61 K 31/33; A61 K 31/555; A61 K 31/7072

Full | Title | Citation | Front | Review | Classification | Date | Reference | Claims | KWIC | Draw. De

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☐ 4. Document ID: WO 9739010 A1, AU 9726725 A, EP 1007538 A1

L7: Entry 4 of 4 File: DWPI Oct 23, 1997

DERWENT-ACC-NO: 1997-526386
DERWENT-WEEK: 199748
COPYRIGHT 2005 DERWENT INFORMATION LTD
TITLE: Nucleic acid probes for human papilloma virus - for isolation and detection of homologous or variant regions of DNA from different viruses

INVENTOR: MANOS, M M; WHEELER, C M

PRIORITY-DATA: 1996US-015427P (April 15, 1996)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
WO 9739010 A1	October 23, 1997	E	048	C07H021/04
AU 9726725 A	November 7, 1997		000	C07H021/04
EP 1007538 A1	June 14, 2000	E	000	C07H021/04

INT-CL (IPC): C07 H 21/00; C07 H 21/04; C12 Q 1/68

Full | Title | Citation | Front | Review | Classification | Date | Reference | Claims | KWIC | Draw De

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Terms	Documents
HPV-45	4

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Search Results - Record(s) 1 through 10 of 12 returned.

☐ 1. Document ID: US 20030219873 A1

L3: Entry 1 of 12 File: DWPI Nov 27, 2003

DERWENT-ACC-NO: 2004-033643
DERWENT-WEEK: 200403
COPYRIGHT 2005 DERWENT INFORMATION LTD
TITLE: New recombinant papillomavirus capsid proteins and genetic construct comprising a papillomavirus L1 and/or L2 conformational coding sequence, useful for diagnosing, preventing or treating papillomavirus infection

INVENTOR: KIRNBAUER, R; LOWY, D R ; SCHILLER, J T

PRIORITY-DATA: 1993US-0032869 (March 16, 1993), 1992US-0941371 (September 3, 1992), 1995US-0484503 (June 7, 1995), 1999US-0316487 (May 21, 1999), 2001US-0832065 (April 9, 2001), 2003US-0371846 (February 21, 2003)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
US 20030219873 A1	November 27, 2003		020	C07K014/05

INT-CL (IPC): C07 H 21/04; C07 K 14/05; C12 N 5/06; C12 N 15/86; C12 P 21/02

Full | Title | Citation | Front | Review | Classification | Date | Reference | [illegible] | [illegible] | Claims | KWIC | Draw. D

☐ 2. Document ID: US 20030050439 A1

L3: Entry 2 of 12 File: DWPI Mar 13, 2003

DERWENT-ACC-NO: 2003-615802
DERWENT-WEEK: 200403
COPYRIGHT 2005 DERWENT INFORMATION LTD
TITLE: New HPV16 L1 polypeptide, useful for manufacturing a medicament for diagnosing, treating or preventing papillomavirus infection

INVENTOR: KIRNBAUER, R; LOWY, D R ; SCHILLER, J T

PRIORITY-DATA: 1993US-0032869 (March 16, 1993), 1992US-0941371 (September 3, 1992), 1995US-0484503 (June 7, 1995), 1999US-0316487 (May 21, 1999), 2001US-0832065 (April 9, 2001)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
US 20030050439 A1	March 13, 2003		018	C07K001/00

INT-CL (IPC): C07 K 1/00; C07 K 14/00; C07 K 17/00

Full | Title | Citation | Front | Review | Classification | Date | Reference | Claims | KWIC | Draw De

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☐ 3. Document ID: AU 2002305279 A1, WO 200287609 A1

L3: Entry 3 of 12 File: DWPI Nov 11, 2002

DERWENT-ACC-NO: 2003-156685
DERWENT-WEEK: 200433
COPYRIGHT 2005 DERWENT INFORMATION LTD
TITLE: New compositions comprising a soluble peptide or protein that binds to papillomavirus particles as a ligand for syndecans, useful for preventing papillomavirus infection in a mammal, and for preventing genital or skin warts

INVENTOR: DAY, P; LOWY, D R ; SCHILLER, J T

PRIORITY-DATA: 2001US-287776P (May 1, 2001)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
AU 2002305279 A1	November 11, 2002		000	A61K038/17
WO 200287609 A1	November 7, 2002	E	055	A61K038/17

INT-CL (IPC): A61 K 38/16; A61 K 38/17; C07 K 14/47; C07 K 14/705

Full | Title | Citation | Front | Review | Classification | Date | Reference | Claims | KWIC | Draw De

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☐ 4. Document ID: US 5985610 A

L3: Entry 4 of 12 File: DWPI Nov 16, 1999

DERWENT-ACC-NO: 2000-012790
DERWENT-WEEK: 200403
COPYRIGHT 2005 DERWENT INFORMATION LTD
TITLE: Genetic construct comprising a human papillomavirus gene is useful in diagnosis and prevention of papillomavirus infections

INVENTOR: KIRNBAUER, R; LOWY, D R ; SCHILLER, J T

PRIORITY-DATA: 1993US-0032869 (March 16, 1993), 1992US-0941371 (September 3, 1992), 1995US-0484503 (June 7, 1995)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
US 5985610 A	November 16, 1999		021	C12N015/37

INT-CL (IPC): C12 N 5/10; C12 N 15/37; C12 N 15/79; C12 N 15/85

Full | Title | Citation | Front | Review | Classification | Date | Reference | Claims | KWIC | Draw De

☐ 5. Document ID: US 5756284 A

L3: Entry 5 of 12 File: DWPI May 26, 1998

DERWENT-ACC-NO: 1998-321522
DERWENT-WEEK: 200403
COPYRIGHT 2005 DERWENT INFORMATION LTD
TITLE: Assay for antibodies to papilloma virus - using self-assembled papillomavirus-like particles comprising L1 polypeptide

INVENTOR: KIRNBAUER, R; LOWY, D R ; SCHILLER, J T

PRIORITY-DATA: 1993US-0032869 (March 16, 1993), 1992US-0941371 (September 3, 1992), 1995US-0472672 (June 7, 1995)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
US 5756284 A	May 26, 1998		021	C12Q001/70

INT-CL (IPC): A61 K 39/12; C07 K 1/00; C12 N 7/00; C12 Q 1/70

Full | Title | Citation | Front | Review | Classification | Date | Reference | [illegible] | Claims | KWIC | Draw. De

☐ 6. Document ID: US 5744142 A

L3: Entry 6 of 12 File: DWPI Apr 28, 1998

DERWENT-ACC-NO: 1998-271010
DERWENT-WEEK: 200403
COPYRIGHT 2005 DERWENT INFORMATION LTD
TITLE: Immunisation of mammals and humans against papillomavirus infection - comprises administering recombinant self-assembled capsid proteins containing conformational epitopes

INVENTOR: KIRNBAUER, R; LOWY, D R ; SCHILLER, J T

PRIORITY-DATA: 1993US-0032869 (March 16, 1993), 1992US-0941371 (September 3, 1992), 1995US-0475782 (June 7, 1995)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
US 5744142 A	April 28, 1998		020	A61K039/12

INT-CL (IPC): A61 K 39/12; C12 N 7/00; C12 N 7/04; C12 N 15/37

Full | Title | Citation | Front | Review | Classification | Date | Reference | [illegible] | Claims | KWIC | Draw. De

☐ 7. Document ID: US 5716620 A

L3: Entry 7 of 12 File: DWPI Feb 10, 1998

DERWENT-ACC-NO: 1998-158363
DERWENT-WEEK: 200403
COPYRIGHT 2005 DERWENT INFORMATION LTD
TITLE: Vaccine against human papilloma virus - comprises HPV16 L1 polypeptide

INVENTOR: KIRNBAUER, R; LOWY, D R ; SCHILLER, J T

PRIORITY-DATA: 1993US-0032869 (March 16, 1993), 1992US-0941371 (September 3, 1992), 1995US-0475783 (June 7, 1995)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
US 5716620 A	February 10, 1998		020	A61K039/12

INT-CL (IPC): A61 K 39/12

Full | Title | Citation | Front | Review | Classification | Date | Reference | Claims | KWIC | Draw De

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☐ 8. Document ID: US 20030207446 A1, WO 9802548 A2, AU 9737256 A, EP 922105 A2, JP 2000515741 W, AU 732125 B, KR 2000023845 A, US 6599739 B1

L3: Entry 8 of 12 File: DWPI Nov 6, 2003

DERWENT-ACC-NO: 1998-110595
DERWENT-WEEK: 200374
COPYRIGHT 2005 DERWENT INFORMATION LTD
TITLE: Infectious papillomavirus pseudoviral particle - used for gene therapy, particularly for treating haemophilia or skin cancer

INVENTOR: LOWY, D R; RODEN, R B ; SCHILLER, J T

PRIORITY-DATA: 1996US-022104P (July 17, 1996), 2000US-0509748 (March 30, 2000), 2003US-0446060 (May 27, 2003)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
US 20030207446 A1	November 6, 2003		000	A61K048/00
WO 9802548 A2	January 22, 1998	E	041	C12N015/37
AU 9737256 A	February 9, 1998		000	C12N015/37
EP 922105 A2	June 16, 1999	E	000	C12N015/37
JP 2000515741 W	November 28, 2000		074	C12N015/09
AU 732125 B	April 12, 2001		000	C12N015/37
KR 2000023845 A	April 25, 2000		000	C12N015/37
US 6599739 B1	July 29, 2003		000	C12N015/00

INT-CL (IPC): A61 K 35/76; A61 K 38/43; A61 K 38/45; A61 K 39/00; A61 K 48/00; A61 P 7/04; A61 P 17/00; A61 P 35/00; C12 N 1/15; C12 N 5/10; C12 N 7/00; C12 N 7/04; C12 N 15/00; C12 N 15/09; C12 N 15/37; C12 N 15/63; C12 N 15/86; C12 Q 1/70; G01 N 33/15; G01 N 33/50; G01 N 33/569

Full | Title | Citation | Front | Review | Classification | Date | Reference | Claims | KWIC | Draw De

☐ 9. Document ID: US 5709996 A

L3: Entry 9 of 12 File: DWPI Jan 20, 1998

DERWENT-ACC-NO: 1998-109811
DERWENT-WEEK: 200403

TITLE: Assay for papilloma virus - using antibody directed against recombinant L1 polypeptide

INVENTOR: KIRNBAUER, R; LOWY, D R ; SCHILLER, J T

PRIORITY-DATA: 1993US-0032869 (March 16, 1993), 1992US-0941371 (September 3, 1992), 1995US-0472673 (June 7, 1995)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
US 5709996 A	January 20, 1998		020	C12Q001/70

INT-CL (IPC): C07 K 16/08; C12 Q 1/70

Full | Title | Citation | Front | Review | Classification | Date | Reference | Claims | KWIC | Draw. De

☐ 10. Document ID: ES 2213754 T3, WO 9611274 A1, AU 9538284 A, US 5618536 A, EP 789766 A1, JP 10506796 W, US 5855891 A, AU 9944478 A, AU 9944479 A, AU 717647 B, AU 717932 B, EP 1018555 A2, CA 2201601 C, JP 2002053597 A, US 20020164350 A1, JP 3343912 B2, US 20030170271 A1, EP 789766 B1, DE 69532532 E, US 20040132162 A1

L3: Entry 10 of 12 File: DWPI Sep 1, 2004

DERWENT-ACC-NO: 1996-209855
DERWENT-WEEK: 200458

TITLE: Chimeric Papilloma-virus-like particle - for use as vaccine, purification of virus-like particles or fusion partners or for protein delivery to cells.

INVENTOR: GREENSTONE, H; LOWY, D R ; SCHILLER, J T ; LOWRY, D R

PRIORITY-DATA: 1994US-0319467 (October 6, 1994), 1992US-0941371 (September 3, 1992), 1993US-0032869 (March 16, 1993), 1997US-0781084 (January 9, 1997), 1999AU-0044479 (August 13, 1999), 1998US-0170129 (October 12, 1998), 2001US-0878840 (June 11, 2001), 2003US-0405264 (April 1, 2003), 2003US-0741613 (December 19, 2003)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
ES 2213754 T3	September 1, 2004		000	C12N015/37
WO 9611274 A1	April 18, 1996	E	027	C12N015/37
AU 9538284 A	May 2, 1996		000	
US 5618536 A	April 8, 1997		014	A61K039/12
EP 789766 A1	August 20, 1997	E	000	

JP 10506796 W	July 7, 1998		040	C12N015/09
US 5855891 A	January 5, 1999		000	A61K039/00
AU 9944478 A	October 28, 1999		000	C12N007/04
AU 9944479 A	October 28, 1999		000	
AU 717647 B	March 30, 2000		000	C12N007/04
AU 717932 B	April 6, 2000		000	
EP 1018555 A2	July 12, 2000	E	000	
CA 2201601 C	August 1, 2000	E	000	C12N015/37
JP 2002053597 A	February 19, 2002		013	C07K014/025
US 20020164350 A1	November 7, 2002		000	C12P021/06
JP 3343912 B2	November 11, 2002		014	C12N015/09
US 20030170271 A1	September 11, 2003		000	C07H021/04
EP 789766 B1	February 4, 2004	E	000	C12N015/37
DE 69532532 E	March 11, 2004		000	C12N015/37
US 20040132162 A1	July 8, 2004		000	C12N015/86

B2 , US 20030170271 A1 INT-CL (IPC): A61 K 38/00; A61 K 39/00; A61 K 39/12; A61 K 39/23; A61 K 39/295; A61 K 39/395; A61 K 39/40; A61 K 39/42; A61 K 39/44; A61 P 35/00; C07 H 21/04; C07 K 2/00; C07 K 4/00; C07 K 5/00; C07 K 7/00; C07 K 14/00; C07 K 14/025; C07 K 16/00; C07 K 17/00; C07 K 19/00; C12 N 7/00; C12 N 7/01; C12 N 7/02; C12 N 7/04; C12 N 15/09; C12 N 15/37; C12 N 15/62; C12 N 15/86; C12 P 19/34; C12 P 21/02; C12 P 21/06; C12 N 15/09; C12 R 1:93

Terms	Documents
L2 and papillomavirus	12

d 14 27 all

L4 ANSWER 27 OF 27 MEDLINE on STN
AN 88089509 MEDLINE
DN PubMed ID: 2826649
TI Characterization of human papillomavirus type 45, a new type 18-related virus of the genital tract.
AU Naghashfar Z S; Rosenshein N B; Lorincz A T; Buscema J; Shah K V
CS Department of Immunology and Infectious Diseases, Johns Hopkins University School of Hygiene and Public Health, Baltimore, Maryland 21205.
NC PO1 AI-16959 (NIAID)
SO Journal of general virology, (1987 Dec) 68 (Pt 12) 3073-9.
Journal code: 0077340. ISSN: 0022-1317.
CY ENGLAND: United Kingdom
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 198802
ED Entered STN: 19900305
Last Updated on STN: 19970203
Entered Medline: 19880203
AB DNA of human papillomavirus (HPV) type 45, a new HPV type 18-related papillomavirus of the genital tract, was cloned from a recurrent cervical lesion displaying mild to moderate dysplasia with koilocytosis. **HPV-45** DNA was identified in paraffin sections of biopsies of both the initial and recurrent lesions of the patient, taken 7 months apart. **HPV-45** DNA hybridized efficiently to that of many different HPV types under low and moderate stringency conditions (Tm - 37 degrees C to Tm - 25 degrees C) but with only **HPV-18** DNA under high stringency conditions (Tm - 17 degrees C). **HPV-45** DNA was distinguished from **HPV-18** DNA by (i) differences in restriction enzyme digest patterns, (ii) lack of hybridization at Tm - 17 degrees C between **HPV-18** and some fragments of **HPV-45**, (iii) a value of 25% in liquid reassociation kinetics between **HPV-18** and **HPV-45** and (iv) differences in intensities of hybridization with selected tissue DNAs. The prevalence of **HPV-45** infection in the genital tract was low. In tests of over 600 tissue DNAs from female genital tract lesions, **HPV-45** sequences were detected in three additional tissues, one each of invasive cervical carcinoma, condyloma, and normal cervical epithelium. **HPV-45** is a newly recognized papillomavirus which rarely infects the genital tract and is associated with lesions across a wide histological spectrum.
CT Check Tags: Female; Human; Support, U.S. Gov't, P.H.S.
*Cervix Diseases: MI, microbiology
Chromosome Mapping